

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method for protection of contactless signal transmission from a transmitter to a receiver, comprising subjecting a signal to reshaping before being transmitted, such that the signal transmission occurs using variable electromagnetic waves, at least one of reproducibility and transmissibility is exacerbated, and the reshaping or non-reshaping of the signal can be detected and distinguished by a detector in the receiver so as to determine that the signal is coming from the transmitter.

2. (original) The method as claimed in claim 1, the signal being subjected to reshaping in a predetermined sequence in time, and detection being carried out in the receiver to determine whether the reshaping is carried out in the predetermined sequence in time.

3. (currently amended) A signal transmission device, comprising:

a transmitter having a reshaping device connected to an antenna, which subjects a signal sent from the transmitter for wire-free signal transmission in such a manner that the signal transmission occurs using variable electromagnetic waves and at least one of reproducibility and transmissibility is exacerbated; and

a receiver having a detector which supplies an output signal when reshaping is present, such that the detector can distinguish a reshaped signal from a non-reshaped signal to determine that the signal is coming from the transmitter.

4. (previously presented) The signal transmission device as claimed in claim 3, the transmitter including a coding device which activates the reshaping device in a predetermined manner in time, and the receiver including a comparison device which checks whether a received signal is preemphasized in the predetermined manner in time.

5. (canceled)

6. (previously presented) The signal transmission device as claimed in claim 3, the reshaping device including a diode which is included in a line between a signal generator and the antenna.

7. (previously presented) The signal transmission device as claimed in claim 3, the receiver including a sensor which converts a magnetic flux density or a magnetic field strength to an electrical voltage or an electrical current.

8. (previously presented) The signal transmission device as claimed in claim 3, the reshaping device including a series circuit, comprising a diode and a differentiation element, in a line between a signal generator and the antenna.